

IN THE CLAIMS

Applicant amends the Claims as follows:

1. (Previously Presented and Amended) A system for docking a capture spacecraft to a target spacecraft having an extending ring adapter, the system comprising,

jaws for grasping onto the extending ring adapter at respective positions about the ring adapter ,

jaw motors respectively for opening and closing the jaws for grabbing the extending ring adapter at the respective positions about the ring adapter,

adjusting motors for moving the jaws relative to each other for placing the jaws at the respective positions, the adjusting motors operating independently from the jaw motors for positioning the jaws to any of the respective positions prior to closing the jaws, and

mounting plate for supporting jaws, jaw motors, and adjusting motors.

2. (Previously Presented and Amended) The system of claim 1 wherein,

each of the jaws, respective motors, and adjusting motors are integrated together into an assembly.

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1 3. (Previously Presented and Amended) The system of claim 1
2 wherein,

3 each one of the jaws, respective jaw motors, and respective
4 adjusting motors are integrated together into an assembly further
5 comprising an elevation pad for separating in distance the jaws,
6 jaw motors, and adjusting motors from the mounting plate.

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8 4. (Previously Presented and Amended) The system of claim 1
9 wherein,

10 the extending ring adapter is an adapter ring.

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12 5. (Previously Presented and Amended) The system of claim 1
13 wherein,

14 the extending ring adapter is an adapter ring comprising:

15 a vertical extending circular ring; and

16 a lip at a distal end of the extending circular ring, the
17 jaws serving to grab the lip at the respective positions that are
18 respective angular positions circumferentially about the lip.

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21 6. (Previously Presented and Amended) The system of claim 1
22 wherein,

23 the extending ~~ring~~ adapter is an adapter ring comprising:

24 a vertical extending circular ring; and

25 a lip at a distal end of the extending circular ring, the
26 lip being a horizontal extending flange, the jaws serving to grab
27 the lip at the respective positions that are respective angular
28 positions circumferentially about the lip.

1 7. (Previously Presented and Amended) The system of claim 1
2 wherein,

3 the extending ring adapter is an adapter ring comprising:
4 a vertical extending circular ring; and
5 a lip at a distal end of the extending circular ring, the
6 lip being a horizontal extending flange, the jaws serving to grab
7 the lip at the respective positions that are respective angular
8 positions circumferentially about the lip, the target spacecraft is
9 a satellite with a circular adapter ring.

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11 8. (Previously Presented and Amended) The system of claim 1
12 wherein,

13 the extending ring adapter is an adapter ring comprising:
14 a vertical extending circular ring; and
15 a lip at a distal end of the extending circular ring, the
16 lip being a horizontal extending flange, the jaws serving to grab
17 the lip at the respective positions that are respective angular
18 positions circumferentially about the lip, the target spacecraft is
19 a satellite with a rectangular adapter.

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21 9. (New) The system of claim 1 wherein,

22 the target spacecraft includes a rocket nozzle extending within
23 the extending adapter, and

24 the mounting plate comprises a nozzle aperture for receiving the
25 rocket nozzle.

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27 10. (New) The system of claim 1 wherein,

28 the jaw motors are individual motors.

1 11. (new) The system of claim 1 wherein,

2 the adjusting motors move the jaws radially relative to the
3 mounting plate.

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5 12. (New) The system of claim 1 wherein,

6 there are three adjusting motors that are radially deposed and
7 radially move about the mounting plate at unequiangular positions.

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9 13. (New) The system of claim 1 wherein,

10 the adjusting motors are three adjusting motors that are
11 radially deposed and radially move about the mounting plate at
12 unequiangular 90°, 180° and 270° radial positions.

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